

FIG. 3 (Prior Art)

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|-------|----------|----------|----------|--------|--------|----------|-----|----|
| 25 | GND | 5V | REQ64# | ENUM# | 3.3V | 5V | GND | J1 |
| 24 | GND | AD[1] | 5V | V(I/O) | AD[0] | ACK64# | GND | |
| 23 | GND | 3.3V | AD[4] | AD[3] | 5V | AD[2] | GND | |
| 22 | GND | AD[7] | GND | 3.3V | AD[6] | AD[5] | GND | |
| 21 | GND | 3.3V | AD[9] | AD[8] | M66EN | C/BE[0]# | GND | C |
| 20 | GND | AD[12] | GND | V(I/O) | AD[11] | AD[10] | GND | |
| 19 | GND | 3.3V | AD[15] | AD[14] | GND | AD[13] | GND | |
| 18 | GND | SERR# | GND | 3.3V | PAR | C/BE[1]# | GND | |
| 17 | GND | 3.3V | SDONE | SBO# | GND | PERR# | GND | O |
| 16 | GND | DEVSEL# | GND | V(I/O) | STOP# | LOCK# | GND | |
| 15 | GND | 3.3V | FRAME# | IRDY# | GND | TRDY# | GND | |
| 12-14 | KEY AREA | | | | | | | |
| 11 | GND | AD[18] | AD[17] | AD[16] | GND | C/BE[2]# | GND | N |
| 10 | GND | AD[21] | GND | 3.3V | AD[20] | AD[19] | GND | |
| 9 | GND | C/BE[3]# | IDSEL | AD[23] | GND | AD[22] | GND | |
| 8 | GND | AD[26] | GND | V(I/O) | AD[25] | AD[24] | GND | |
| 7 | GND | AD[30] | AD[29] | AD[28] | GND | AD[27] | GND | E |
| 6 | GND | REQ# | GND | 3.3V | CLK | AD[31] | GND | |
| 5 | GND | BRSVP1A5 | BRSVP1B5 | RST# | GND | GNT# | GND | |
| 4 | GND | BRSVP1A4 | GND | V(I/O) | INTP | INTS | GND | |
| 3 | GND | INTA# | INTB# | INTC# | 5V | INTD# | GND | C |
| 2 | GND | TCK | 5V | TMS | TDO | TDI | GND | |
| 1 | GND | 5V | -12V | TRST# | +12V | 5V | GND | |
| Pin | Z | A | B | C | D | E | F | |

FIG. 4

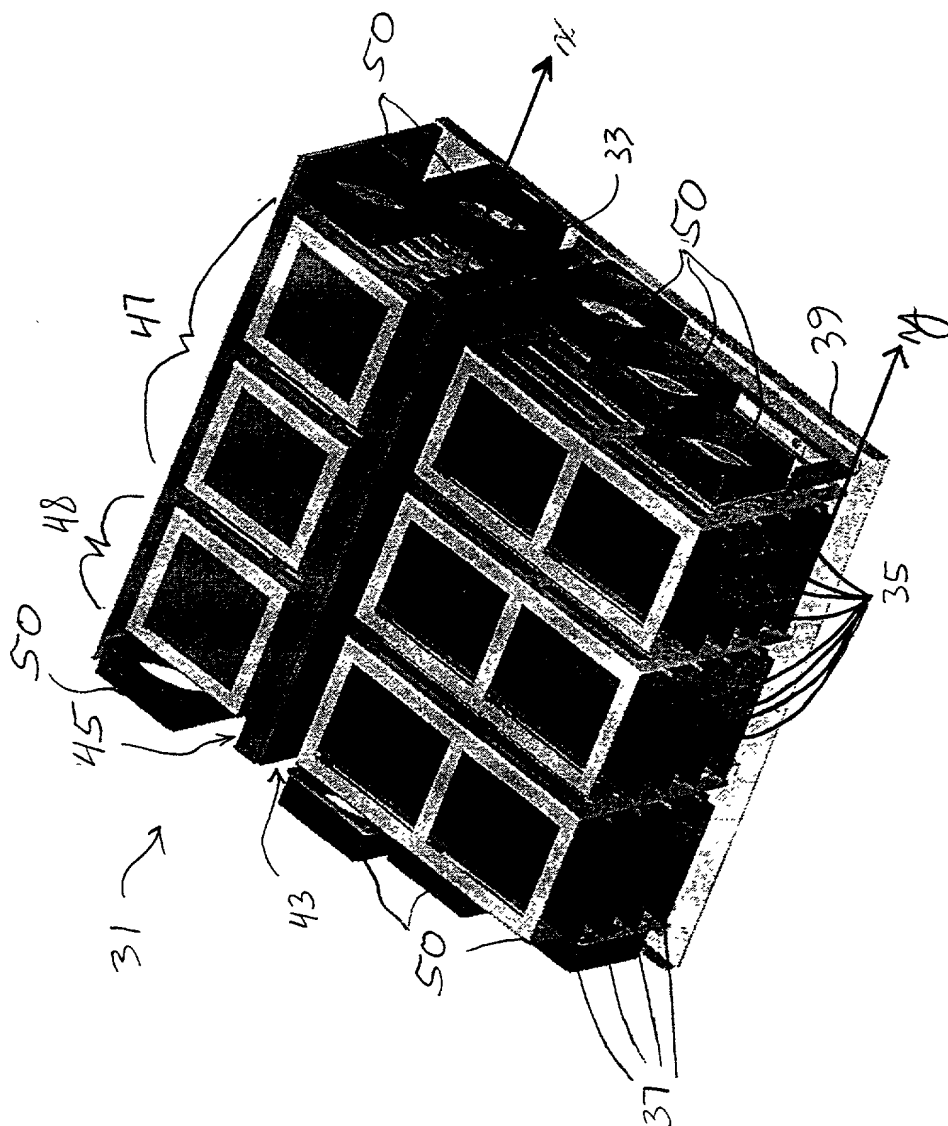
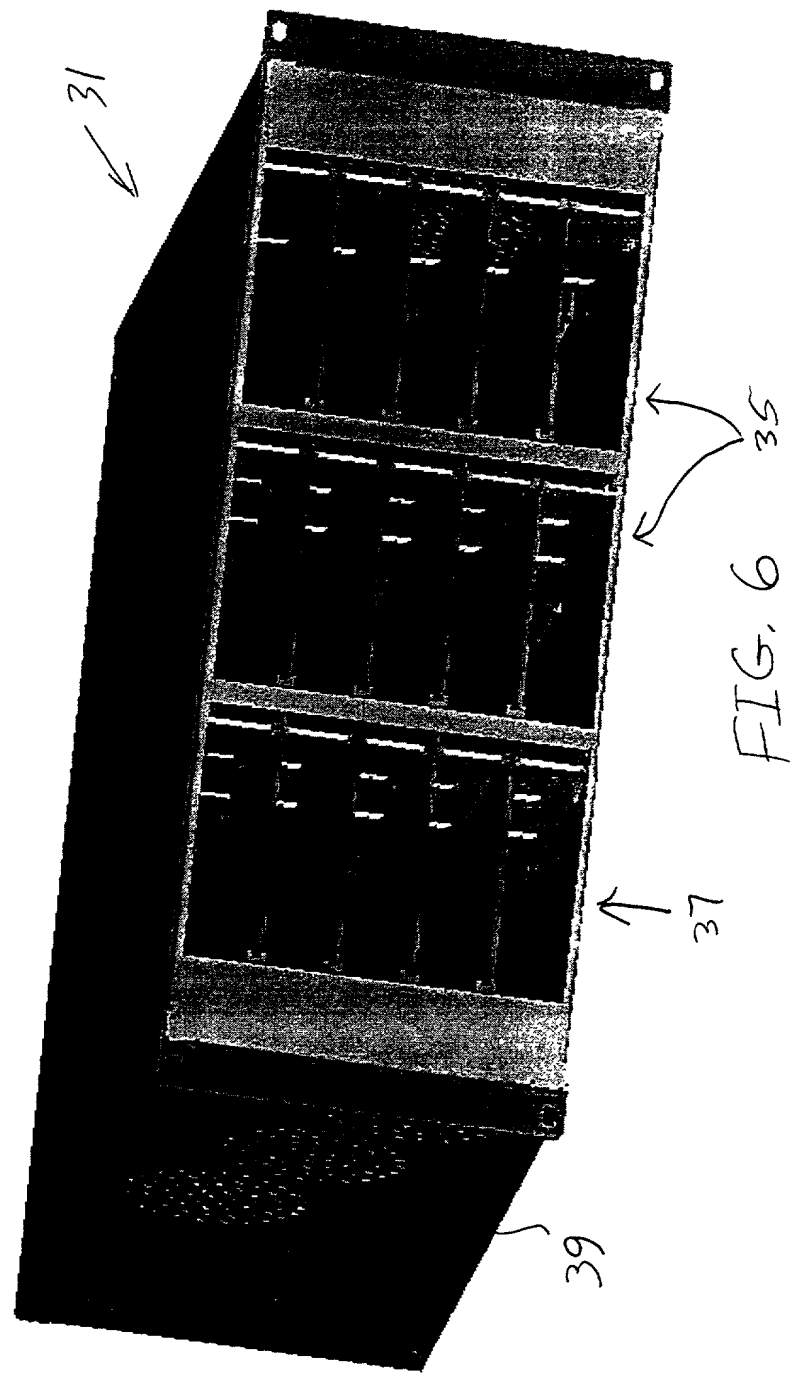


Fig. 5

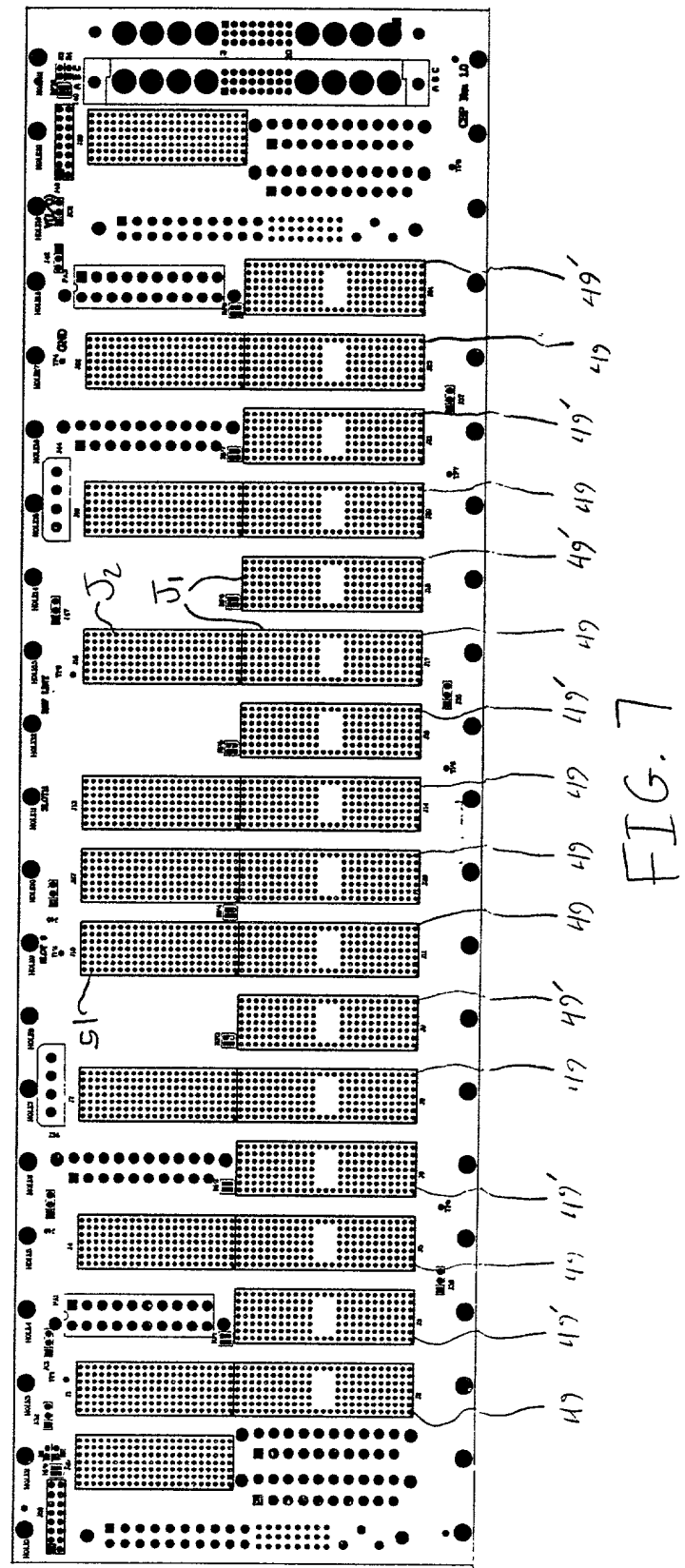
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|-------|----------|----------|--------|--------|--------------|--------------|-----|-----------------------|
| 25 | GND | 5V | 3.3V | ENUM# | REQ64# | 5V | GND | J1 |
| 24 | GND | ACK64# | AD[0] | V(I/O) | 5V | AD[1] | GND | |
| 23 | GND | AD[2] | 5V | AD[3] | AD[4] | 3.3V | GND | |
| 22 | GND | AD[5] | AD[6] | 3.3V | GND | AD[7] | GND | |
| 21 | GND | C/BE[0]# | M66EN | AD[8] | AD[9] | 3.3V | GND | |
| 20 | GND | AD[10] | AD[11] | V(I/O) | GND | AD[12] | GND | |
| 19 | GND | AD[13] | GND | AD[14] | AD[15] | 3.3V | GND | |
| 18 | GND | C/BE[1]# | PAR | 3.3V | GND | SERR# | GND | |
| 17 | GND | PERR# | GND | SBO# | SDONE | 3.3V | GND | |
| 16 | GND | LOCK# | STOP# | V(I/O) | GND | DEVSEL# | GND | |
| 15 | GND | TRDY# | GND | IRDY# | FRAME# | 3.3V | GND | |
| 12-14 | KEY AREA | | | | | | | E C T O R |
| 11 | GND | C/BE[2]# | GND | AD[16] | AD[17] | AD[18] | GND | |
| 10 | GND | AD[19] | AD[20] | 3.3V | GND | AD[21] | GND | |
| 9 | GND | AD[22] | GND | AD[23] | IDSEL | C/BE[3]# | GND | |
| 8 | GND | AD[24] | AD[25] | V(I/O) | GND | AD[26] | GND | |
| 7 | GND | AD[27] | GND | AD[28] | AD[29] | AD[30] | GND | |
| 6 | GND | AD[31] | CLK | 3.3V | GND | REQ# | GND | |
| 5 | GND | GNT# | GND | RST# | BRSVP1 B5 | BRSVP1A 5 | GND | |
| 4 | GND | INTS | INTP | V(I/O) | GND | BRSVP1A 4 | GND | |
| 3 | GND | INTD# | 5V | INTC# | INTB# | INTA# | GND | |
| 2 | GND | TDI | TDO | TMS | 5V | TCK | GND | |
| 1 | GND | 5V | +12V | TRST# | -12V | 5V | GND | |
| Pin | F | E | D | C | B | A | Z | |

FIG.8

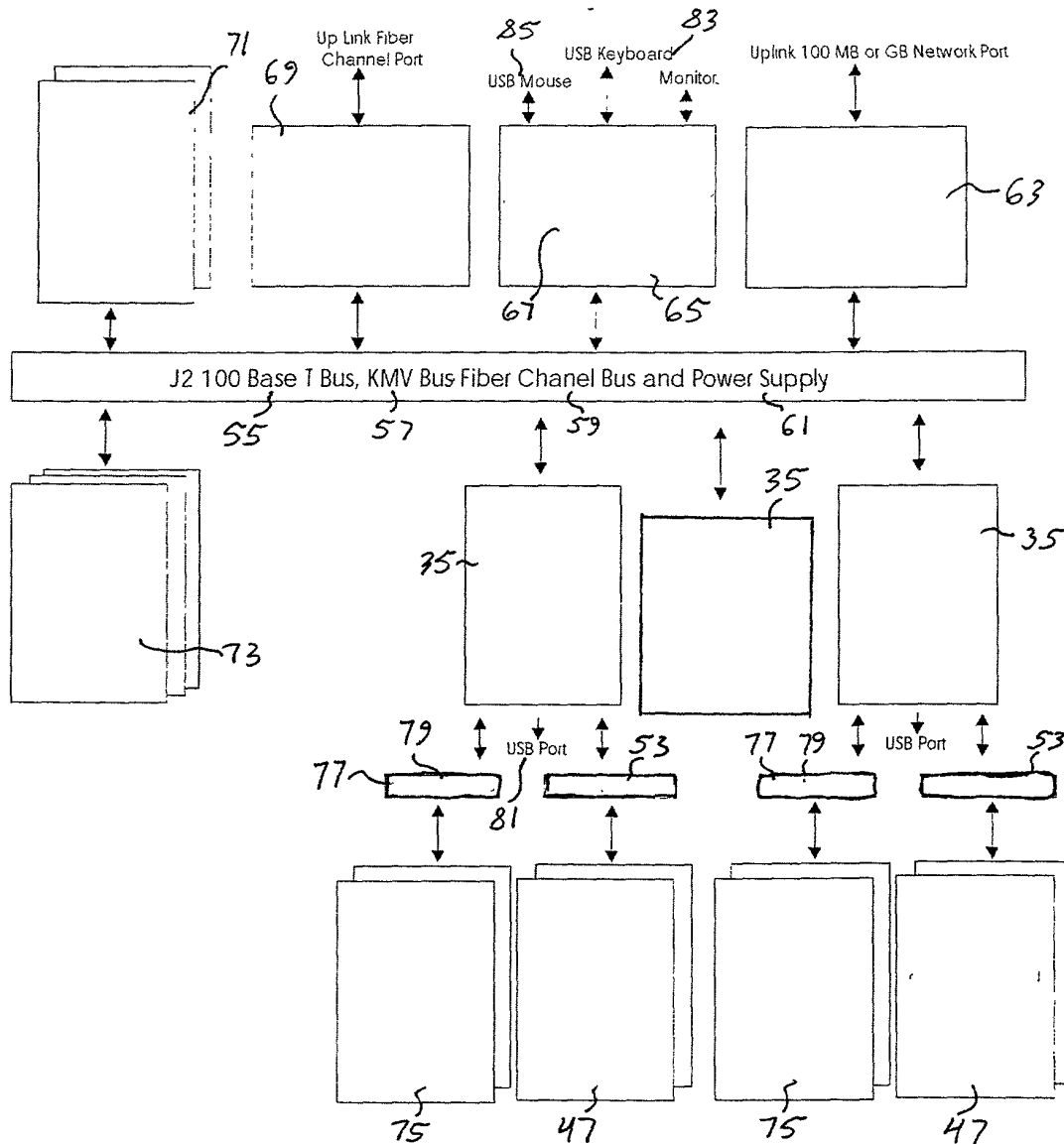
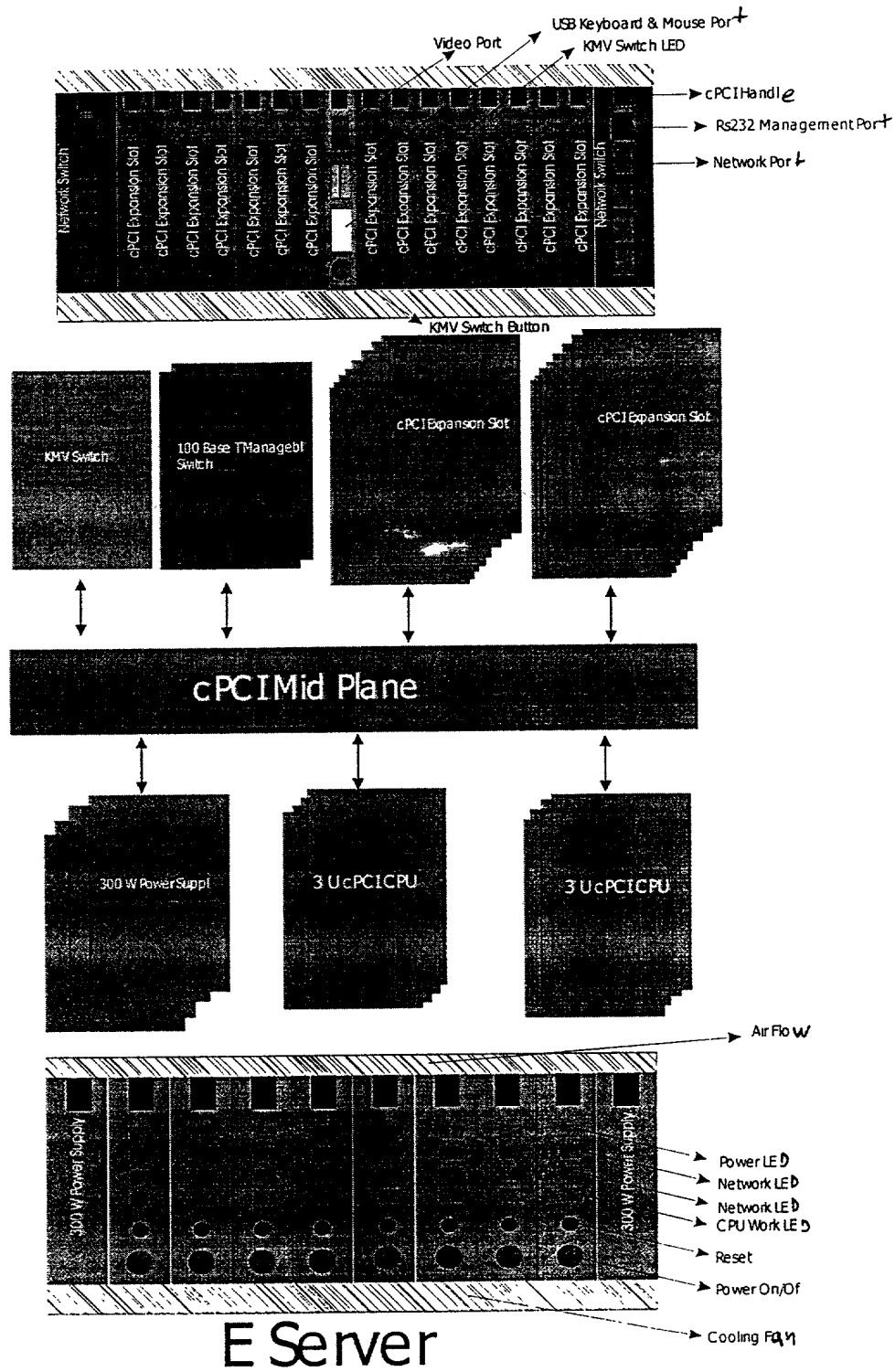


FIG. 9



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FIG. 10

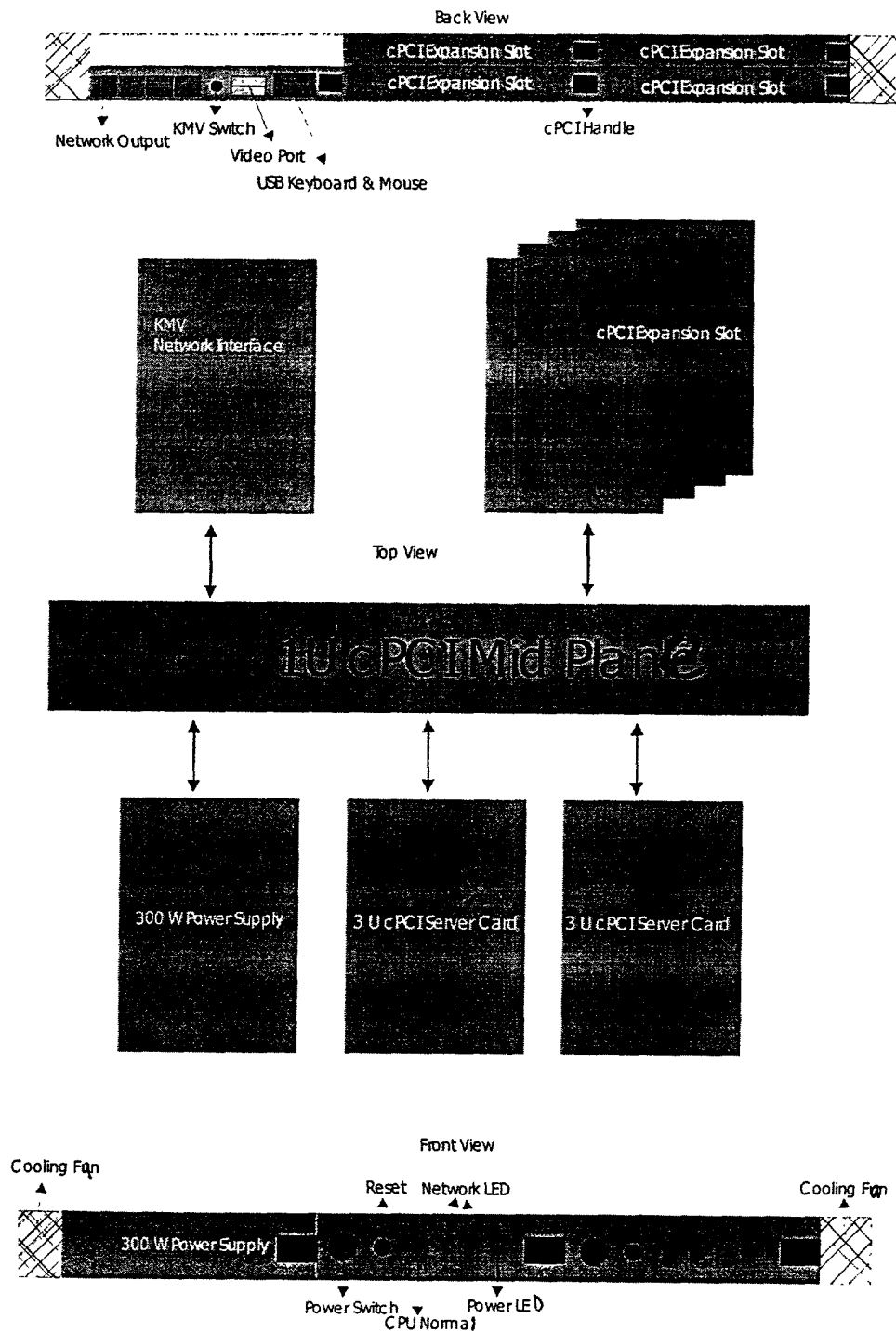


FIG. 11

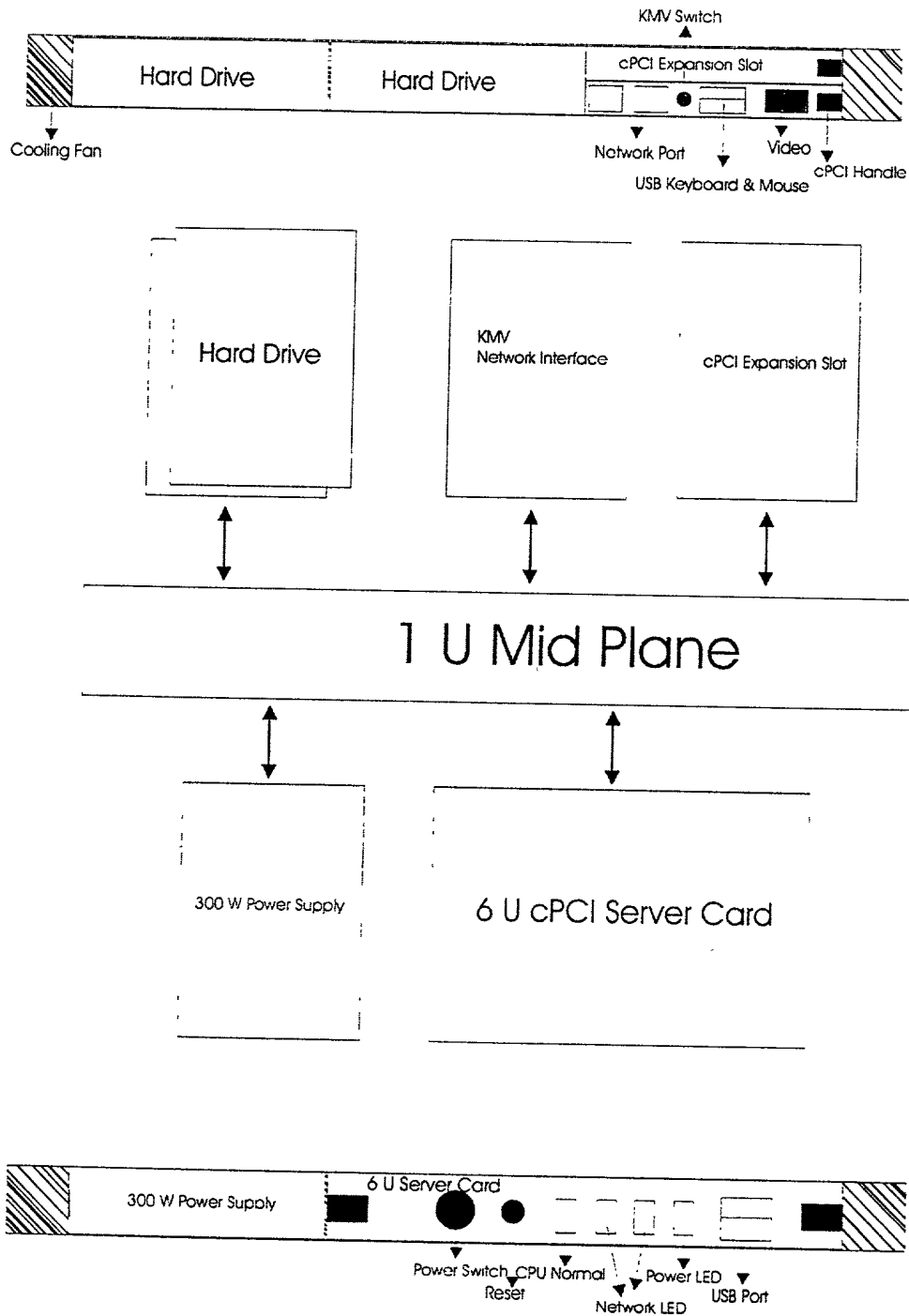


FIG. 12

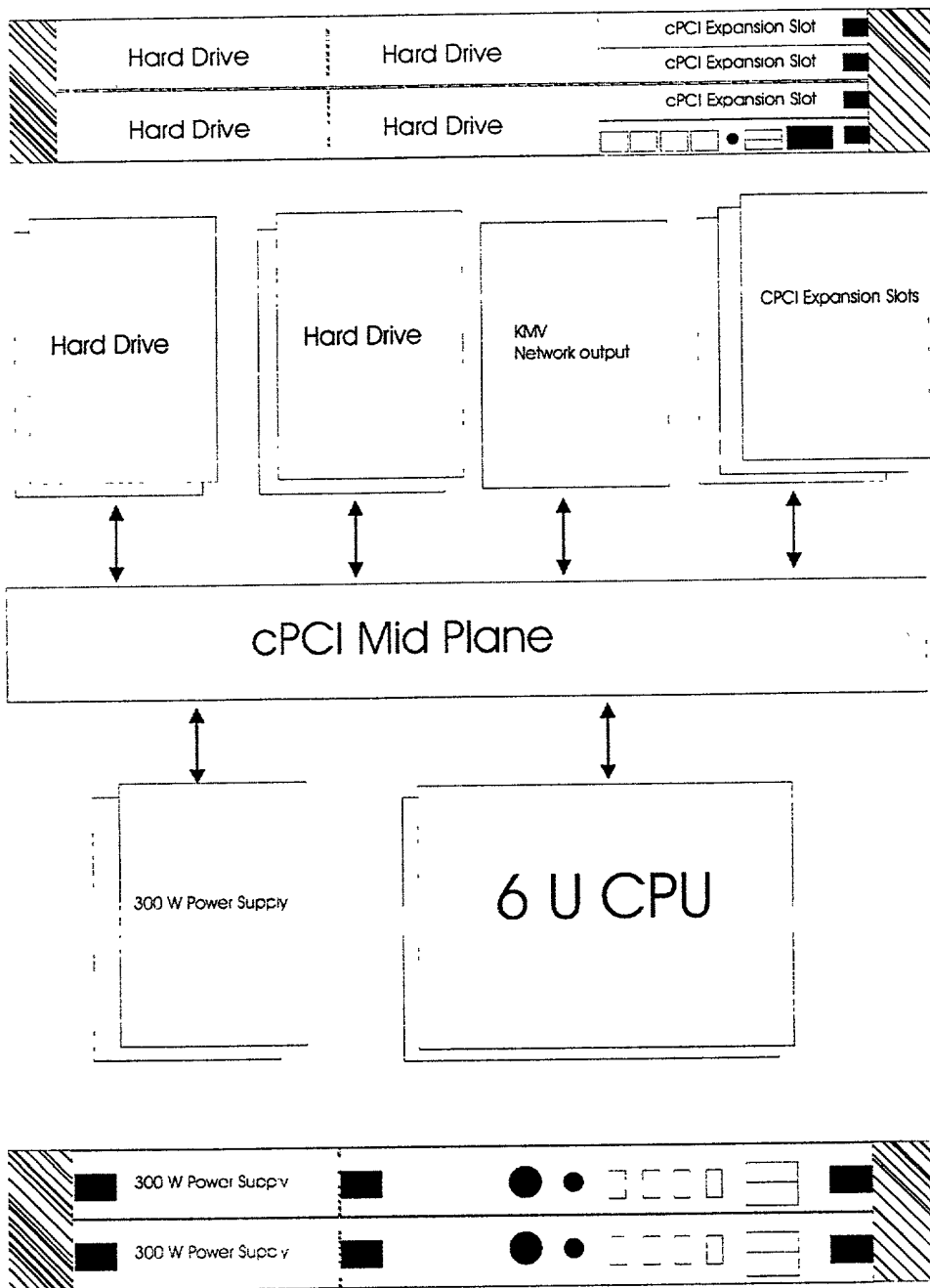


FIG. 13

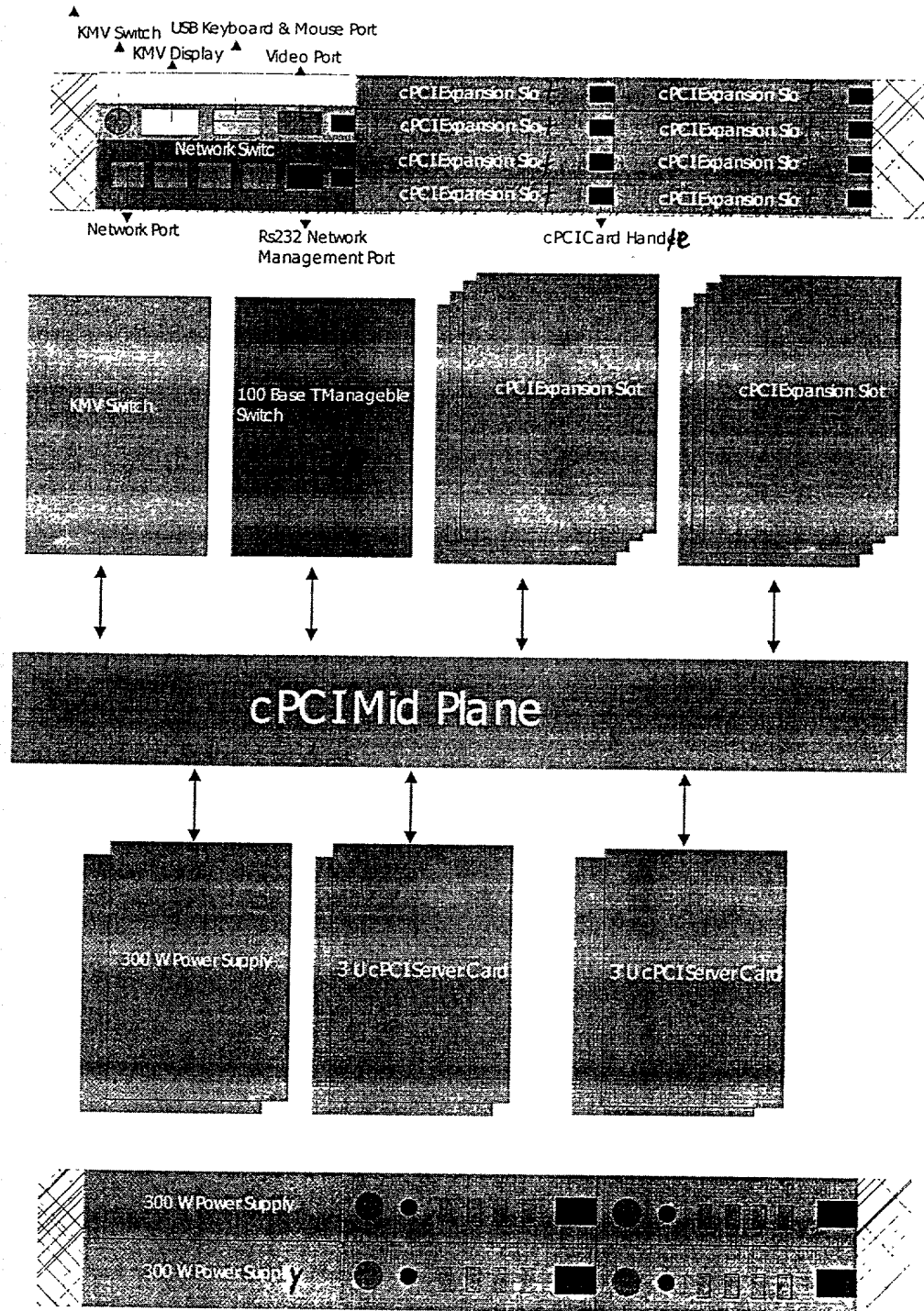


FIG. 14

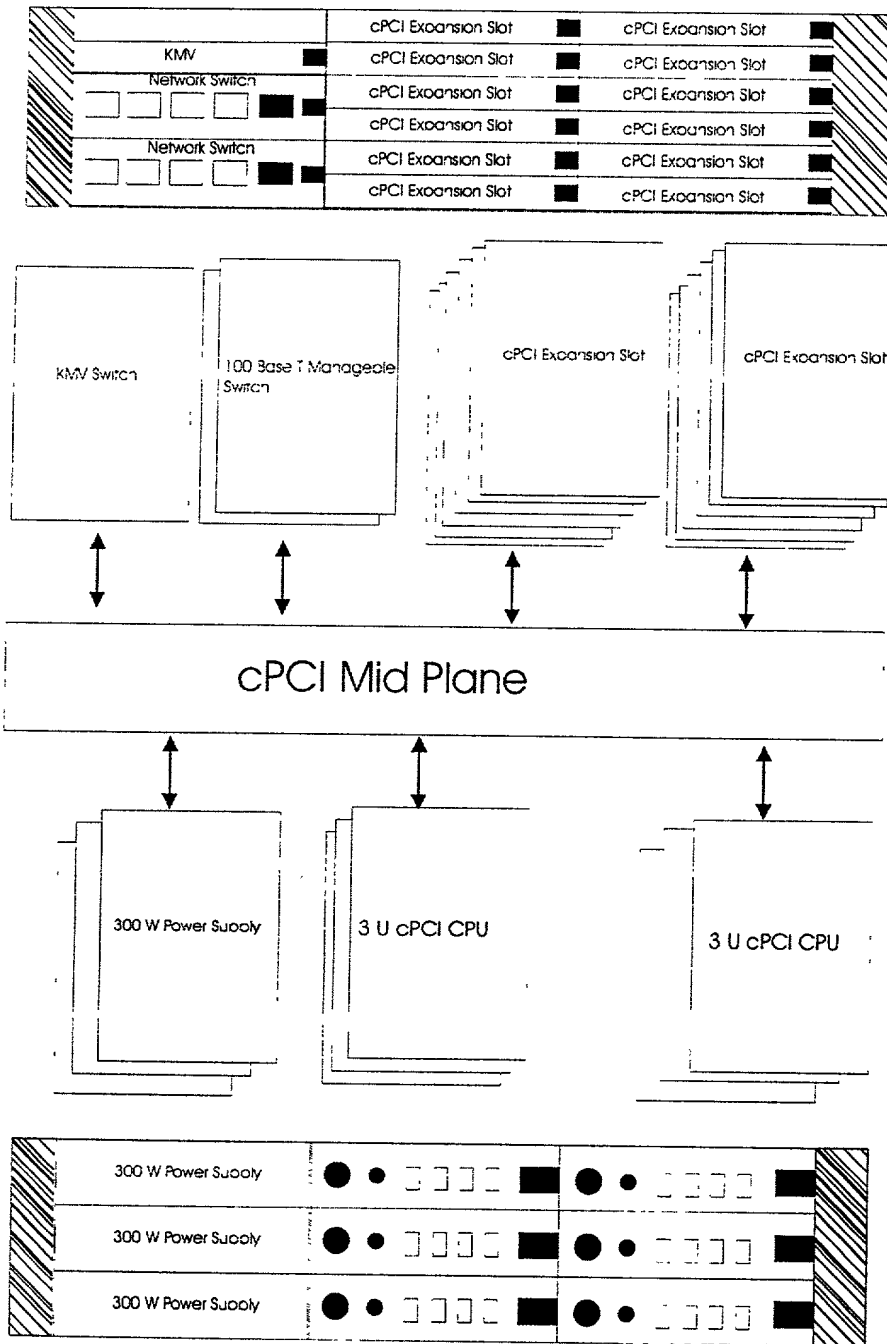


FIG. 15

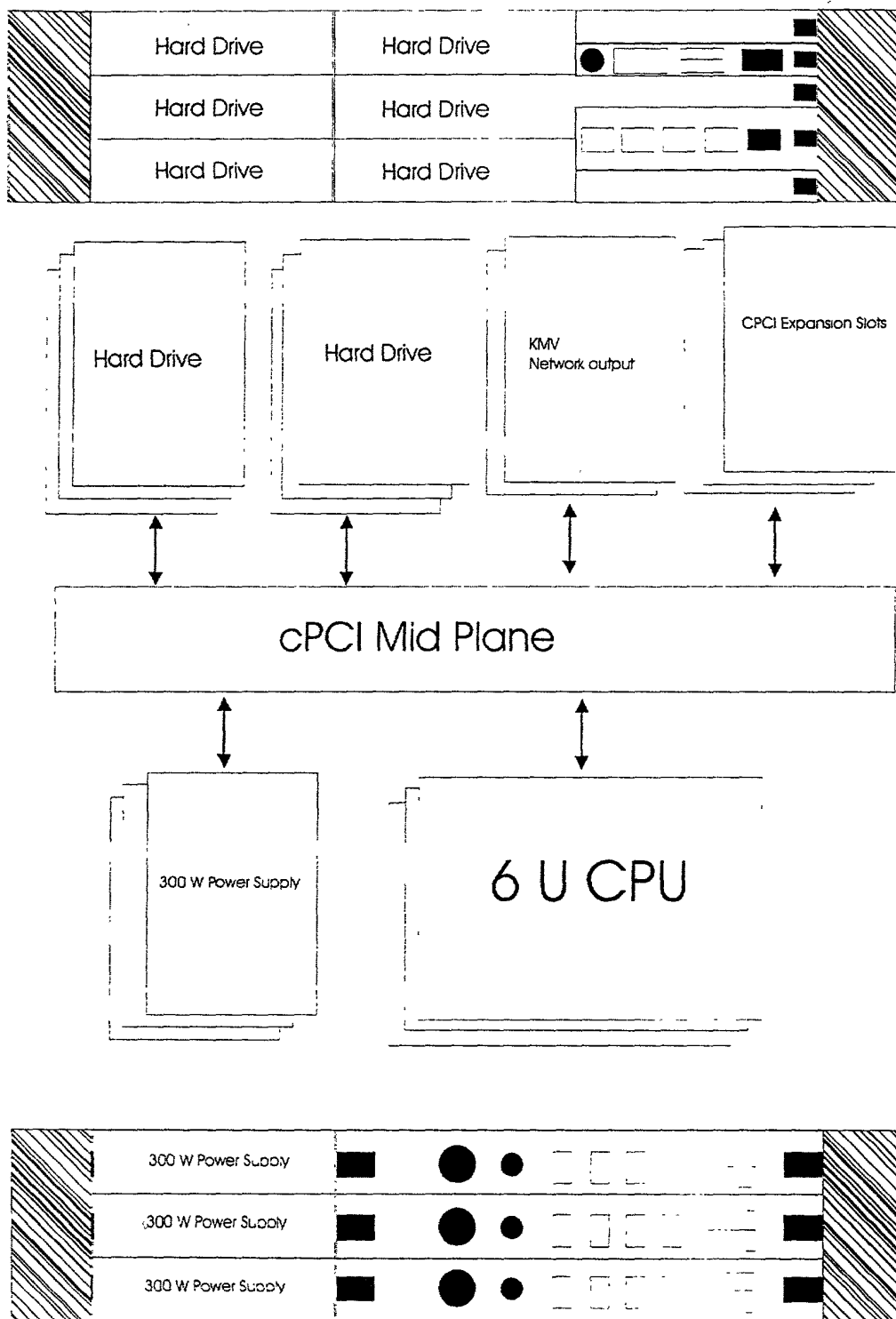


FIG. 16

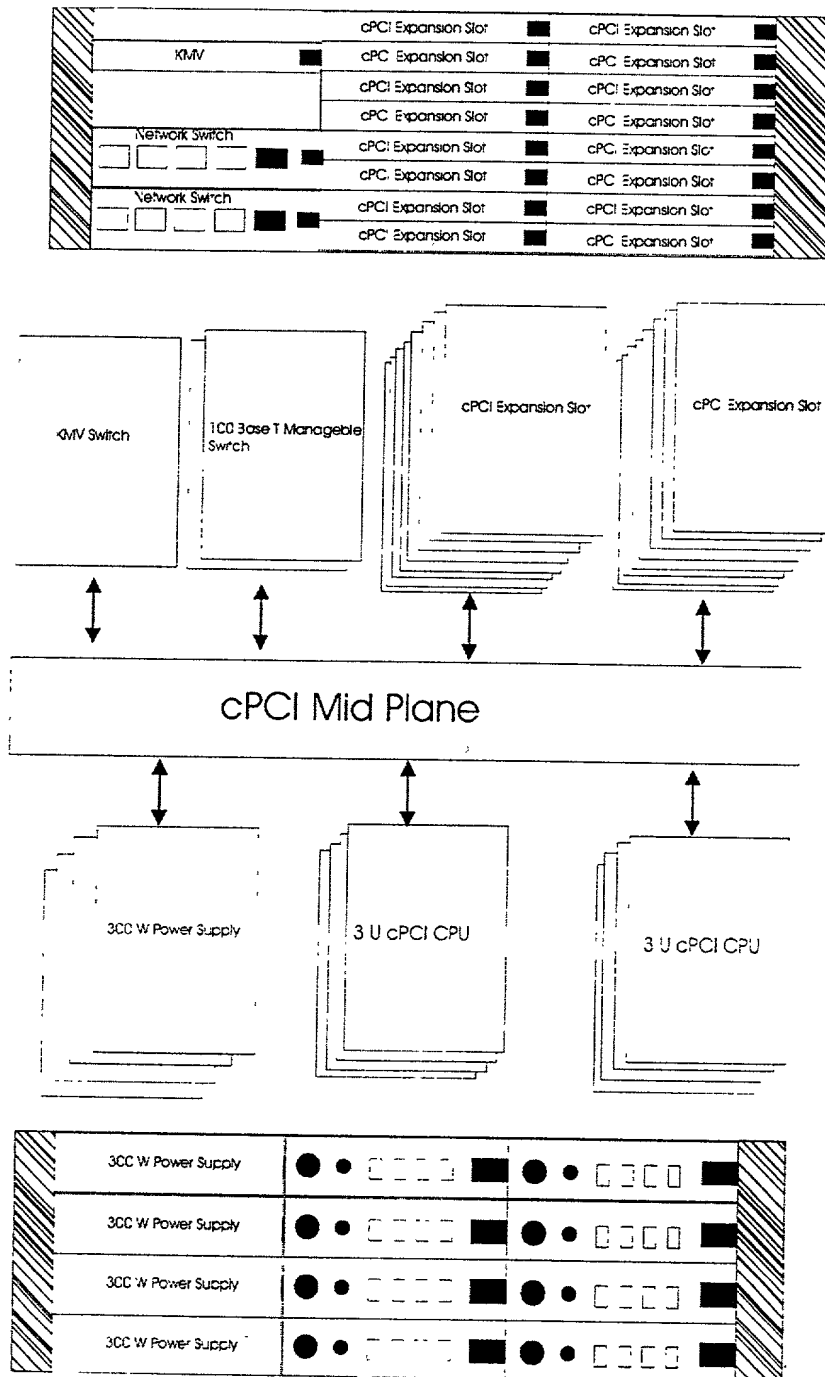


FIG. 17

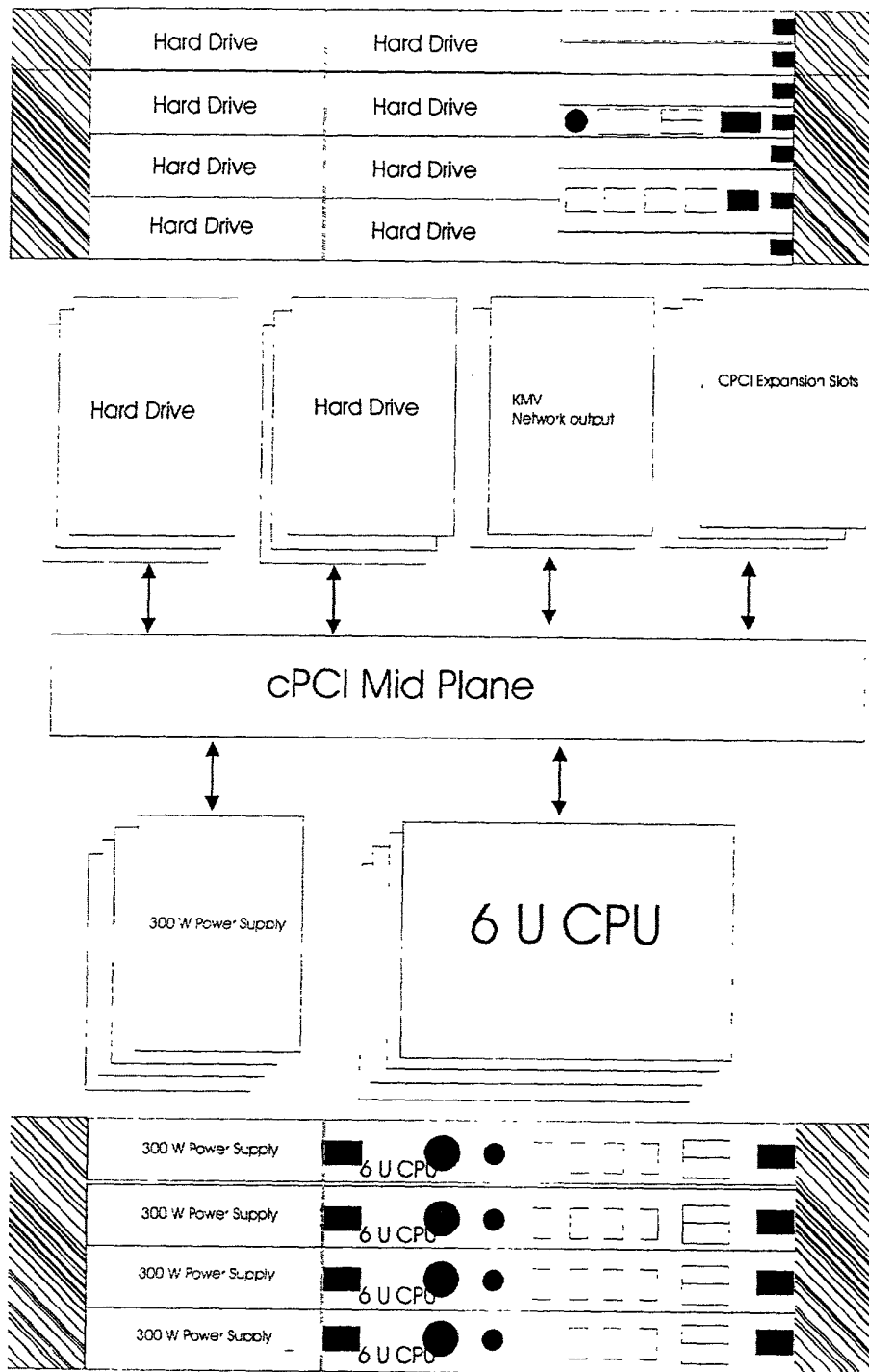


FIG. 18

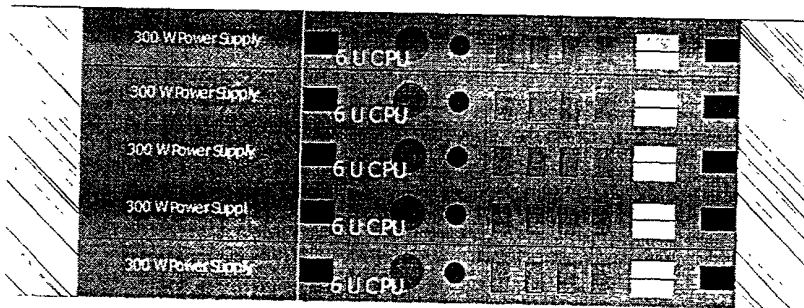
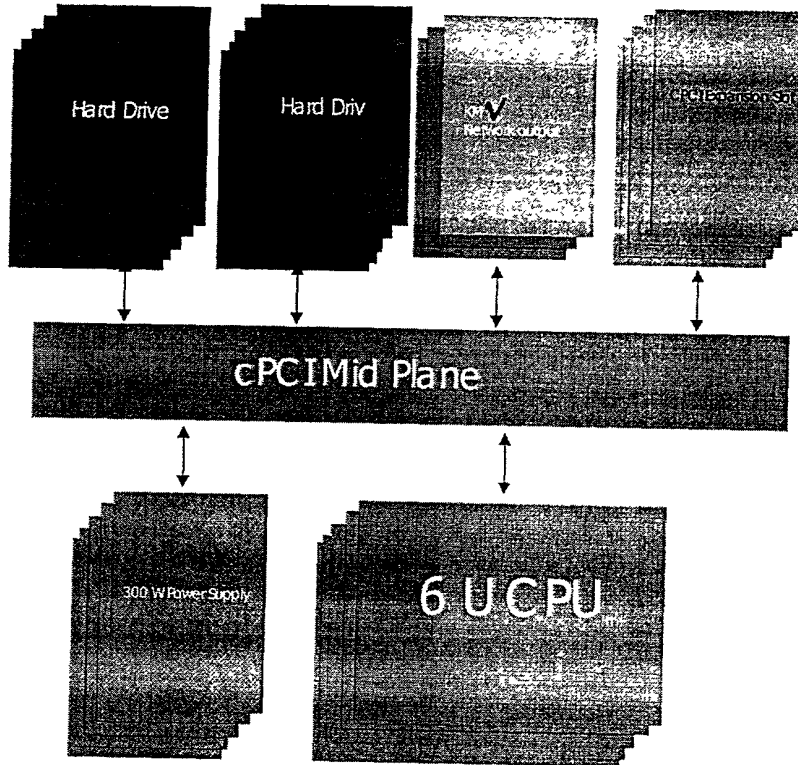
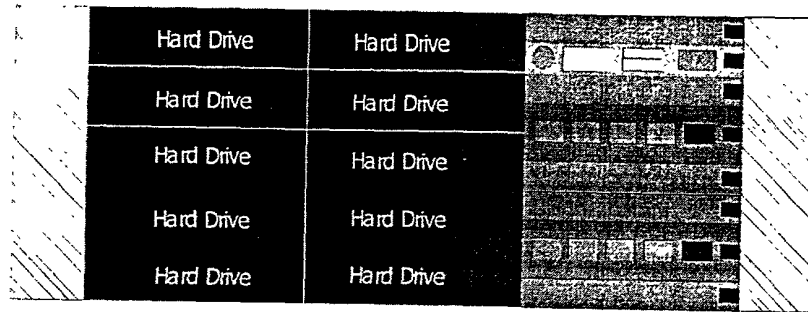


FIG. 19

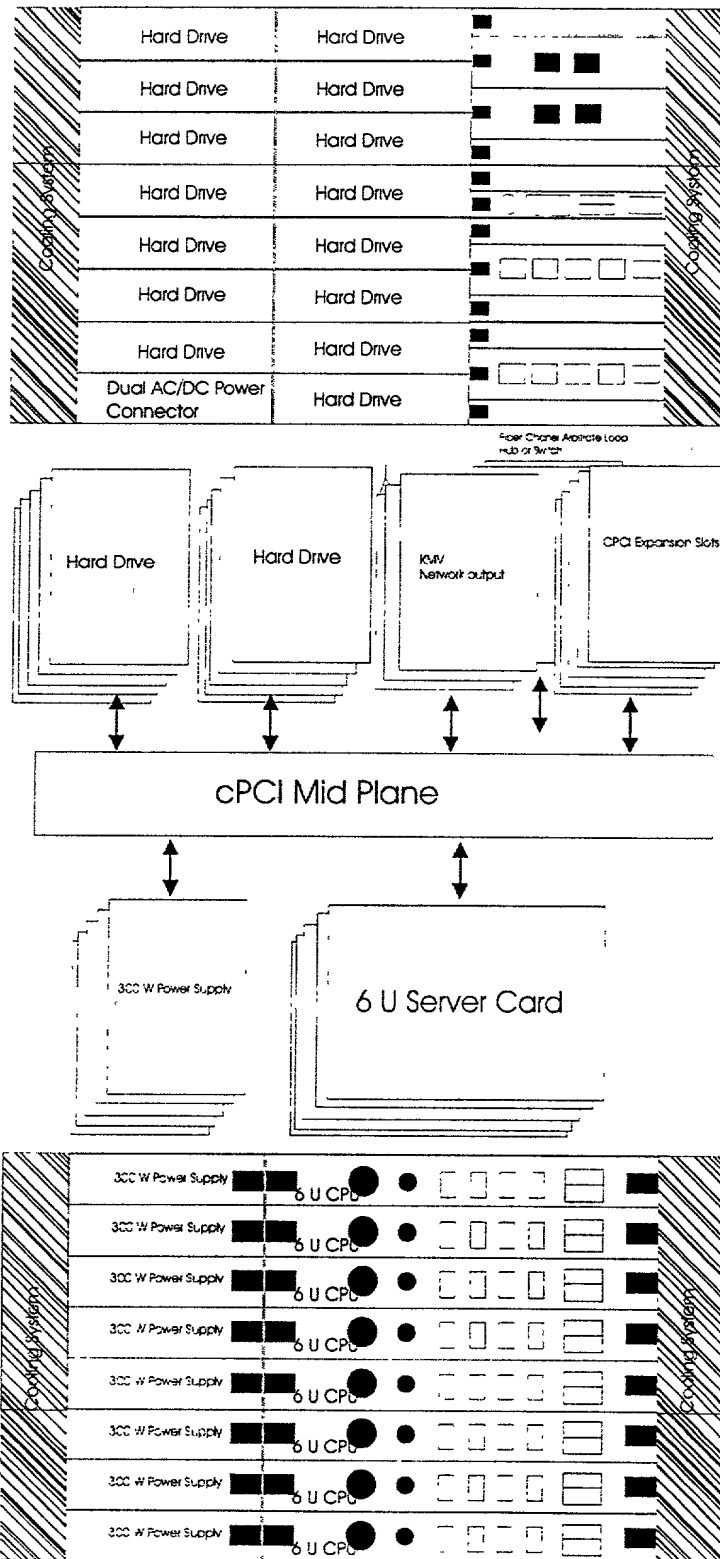
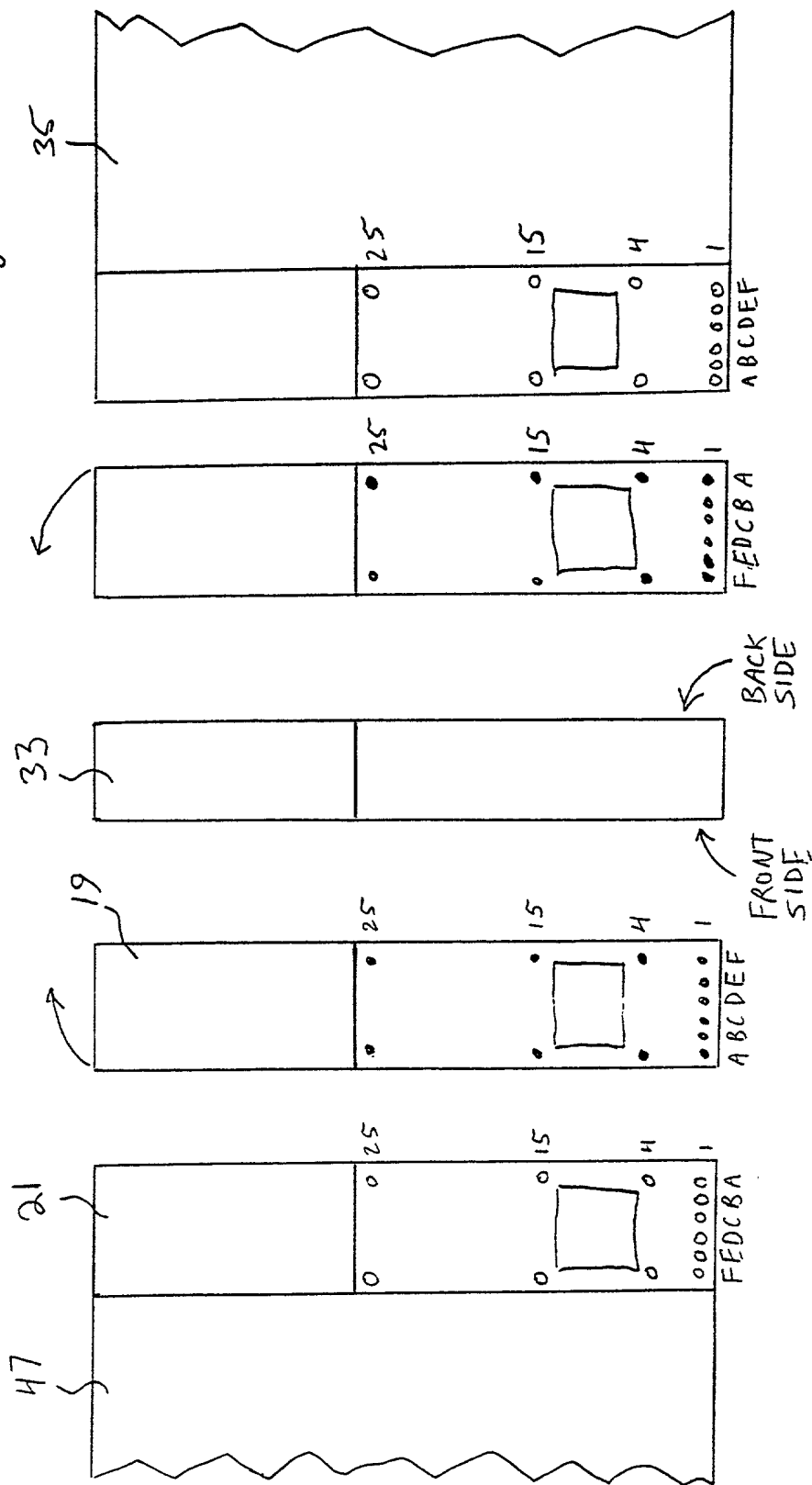


FIG. 20

Fig. 21



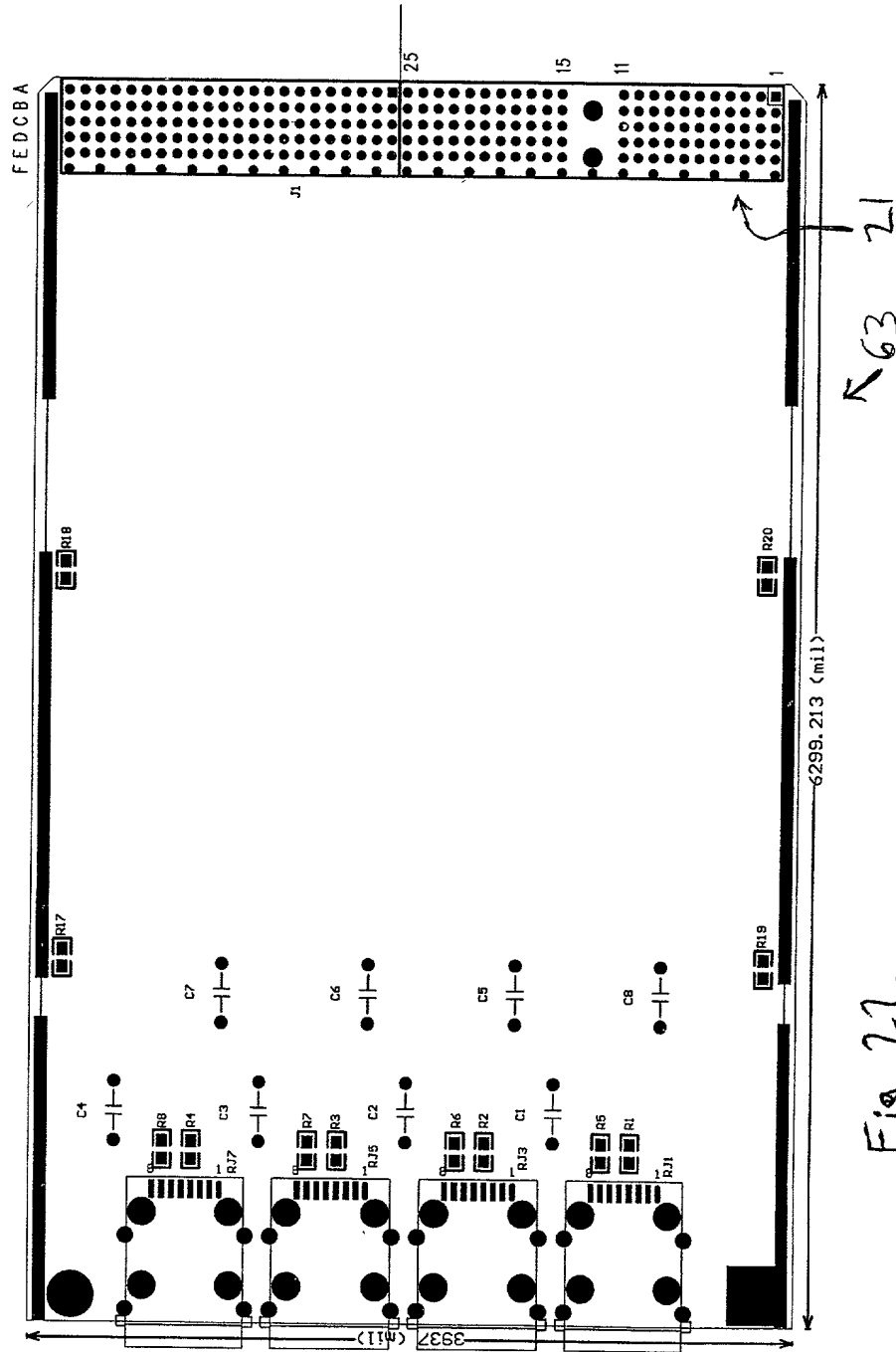


Fig. 22

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Fig. 23

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|-----|-----|---------|--------|------------|------------|--------|-----|---|
| 22 | GND | GND | GND | GND | GND | GND | GND | J2 C O N N E C T O R |
| 21 | GND | ?3 | GND | ?18 | ?24 | SMBDAT | GND | |
| 20 | GND | ?2 | ?7 | ?17 | GND | SMCLK | GND | |
| 19 | GND | GND | GND | ?15 | ?22 | CUV1+ | GND | |
| 18 | GND | MDCLK | ?5 | ?14 | GND | GND | GND | |
| 17 | GND | GND | GND | ?13 | ?21 | CUV1- | GND | |
| 16 | GND | MDDAT | MVSYNC | ?12 | GND | GND | GND | |
| 15 | GND | GND | GND | ?11 | ?20 | ?28 | GND | |
| 14 | GND | RSTSW# | MHSYNC | VCC5IN | GND | ?27 | GND | |
| 13 | GND | GND | GND | VIO | ER1+ | GND | GND | |
| 12 | GND | CUV0- | MB | VCC5IN | GND | ER2+ | GND | |
| 11 | GND | GND | GND | VIO | ER1- | GND | GND | |
| 10 | GND | CUV0+ | MG | VCC5IN | GND | ER2- | GND | |
| 9 | GND | GND | GND | VIO | ET1+ | GND | GND | |
| 8 | GND | MUSDATA | MR | VCC5IN | GND | ET2+ | GND | |
| 7 | GND | GND | GND | VIO | ET1- | GND | GND | |
| 6 | GND | MUSCLK | ?10 | VCC5IN | GND | ET2- | GND | |
| 5 | GND | GND | ?9 | VIO | ?26 | GND | GND | |
| 4 | GND | VIO | ?8 | VCC5IN | GND | CUV3- | GND | |
| 3 | GND | ?4 | GND | ?19 | ?25 | GND | GND | |
| 2 | GND | ?1 | ?6 | ?16 | ?23 | CUV3+ | GND | |
| 1 | GND | PCICLK4 | GND | PREQ# 3 | PGNT# 3 | GND | GND | |
| Pin | Z | A | B | C | D | E | F | |

FIG. 24